

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A sports shoe insert, comprising:

~~An~~ an anisotropic bending element comprising

at least one reinforcing layer I, each of which contains a fibrous reinforcing component I with a tensile modulus of elasticity in a range of from 1,800 to 20,000 N/mm²; and

at least one elastomeric layer II, each of which contains an elastomer and has a tensile modulus of elasticity in a range of from 2 to 1,300 N/mm², wherein

a weight ratio in the bending element of the fibrous reinforcing component I to the elastomer is in a range of from 1:99 to 40:60; and

when the bending element is bent about an axis parallel to the reinforcing layer I, a ratio of a rigidity of the bending element in a positive direction of rotation relative to a rigidity of the bending element in a negative direction of rotation is 1: 1.2 or more.

2. (Currently Amended) The ~~bending element~~ sport shoe insert as claimed in Claim 1, wherein the ratio of a rigidity of the bending element in a positive direction of rotation relative to a rigidity of the bending element in a negative direction of rotation is in a range of from 1:1.2 to 1:6.

3. (Currently Amended) The ~~bending element~~ sport shoe insert as claimed in Claim 1, wherein the ratio of a rigidity of the bending element in a positive direction of rotation relative to a rigidity of the bending element in a negative direction of rotation is in a range of from 1:1.5 to 1:5.

4. (Currently Amended) The ~~bending element~~ sport shoe insert as claimed in Claim 1, wherein the ratio of a rigidity of the bending element in a positive direction of rotation relative to a rigidity of the bending element in a negative direction of rotation is in a range of from 1:1.8 to 1:3.

5. (Currently Amended) The ~~bending element~~ sport shoe insert as claimed in Claim 1, wherein the fibrous reinforcing component I comprises reinforcing fibers each having a diameter in a range of from 0.0001 mm to 2 mm.

6. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 5, wherein the reinforcing fibers comprise a material selected from the group consisting of cotton, rayon, polyethylene terephthalate, polybutylene terephthalate, polyethylene, polypropylene, polyamide, aramid, polyacrylonitrile, carbon, boron, steel and glass.

7. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein the elastomer comprises a material selected from the group consisting of an unvulcanized rubber, a vulcanized rubber and a thermoplastic elastomer.

8. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein

the elastomer comprises the unvulcanized rubber; and

the unvulcanized rubber comprises a material selected from the group consisting of styrene-butadiene rubbers, butadiene rubber, isoprene rubber, natural rubber, isobutene-

isoprene rubber, nitrile rubber, chloroprene rubber, ethylene-propylene rubber (EPM), ethylene-propylene-diene rubber (EPDM) and mixtures thereof.

9. (Currently Amended) The ~~bending element~~ sport shoe insert as claimed in Claim 1, wherein

the elastomer comprises the vulcanized rubber; and

the vulcanized rubber is produced by vulcanizing an unvulcanized rubber comprising a material selected from the group consisting of styrene-butadiene rubbers, butadiene rubber, isoprene rubber, natural rubber, isobutene-isoprene rubber, nitrile rubber, chloroprene rubber, ethylene-propylene rubber (EPM), ethylene-propylene-diene rubber (EPDM) and mixtures thereof.

10. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein

the elastomer comprises the thermoplastic elastomer; and

the thermoplastic elastomer comprises a material selected from the group consisting of polyether ester amides, polyether amides, polyether esters, mixtures of ethylene-propylene rubber (EPM) and a polyolefin, mixtures of ethylene-propylene-diene rubber (EPDM) and a polyolefin, styrene-butadiene block copolymers, thermoplastic polyurethanes and mixtures thereof.

11. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein each of the at least one elastomeric layer II adheres directly to one or more of the at least one reinforcing layer I.

12. (Currently Amended) The ~~bending element~~ sport shoe insert as claimed in Claim 1, further comprising an adhesive layer between one of the at least one elastomeric layer II and one of the at least one reinforcing layer I.

13. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein

the at least one reinforcing layer I consists of a single reinforcing layer I; and
the at least one elastomeric layer II consists of a single elastomeric layer II.

14. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein

the at least one elastomeric layer II comprises two elastomeric layers II; and
the at least one reinforcing layer I comprises a reinforcing layer I between and
arranged off-center of the two elastomeric layers II.

15. (Currently Amended) The ~~bending element~~ sport shoe insert claimed in Claim 1, wherein

the at least one reinforcing layer I comprises a first reinforcing layer I and a second reinforcing layer I;

the at least one elastomeric layer II comprises a first elastomeric layer II and a second elastomeric layer II; and

the first reinforcing layer I, the first elastomeric layer II, the second reinforcing layer I, and the second elastomeric layer II are arranged in this order in the bending element.

Claims 16-20 (Canceled)

21. (New) The sport shoe insert as claimed in Claim 1, wherein said sports shoe is a soccer boot.

22. (New) A sports equipment, comprising:
an anisotropic bending element comprising
at least one reinforcing layer I, each of which contains a fibrous reinforcing component I with a tensile modulus of elasticity in a range of from 1,800 to 20,000 N/mm²; and
at least one elastomeric layer II, each of which contains an elastomer and has a tensile modulus of elasticity in a range of from 2 to 1,300 N/mm², wherein
a weight ratio in the bending element of the fibrous reinforcing component I to the elastomer is in a range of from 1:99 to 40:60; and
when the bending element is bent about an axis parallel to the reinforcing layer I, a ratio of a rigidity of the bending element in a positive direction of rotation relative to a rigidity of the bending element in a negative direction of rotation is 1: 1.2 or more.

23. (New) The sports equipment as claimed in Claim 22, which is a paddle.

24. (New) A prosthesis, comprising:
an anisotropic bending element comprising
at least one reinforcing layer I, each of which contains a fibrous reinforcing component I with a tensile modulus of elasticity in a range of from 1,800 to 20,000 N/mm²; and

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at least one elastomeric layer II, each of which contains an elastomer and has a tensile modulus of elasticity in a range of from 2 to 1,300 N/mm², wherein

a weight ratio in the bending element of the fibrous reinforcing component I to the elastomer is in a range of from 1:99 to 40:60; and

when the bending element is bent about an axis parallel to the reinforcing layer I, a ratio of a rigidity of the bending element in a positive direction of rotation relative to a rigidity of the bending element in a negative direction of rotation is 1: 1.2 or more.